

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  RPGX001WO	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No.  PCT/JP2004/008407	International filing date (day/month/year)  09/06/2004	(Earliest) Priority Date (day/month/year)  19/06/2003
Applicant  MITSUGASHIRA, Hiroaki		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/008407

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G21G4/04

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G21G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HIROSE N ET AL: "Collection of emanating <222>Rn for the preparation of a <210>Pb-<210>Po alpha-source and the building of a mobile random pulse and probability generator utilizing alpha-counting technique" JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY AKADEMIKI KIADO; KLUWER ACADEMIC PUBLISHERS NETHERLANDS, vol. 255, no. 1, 1 January 2003 (2003-01-01), pages 207-210, XP008035233 ISSN: 0236-5731 page 208, left-hand column, paragraph 2 - right-hand column, paragraph 2	12-14
A	page 209, right-hand column, paragraph 1 - paragraph 2 ----- -/--	1-4

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

11 October 2004

Date of mailing of the international search report

22/12/2004

Name and mailing address of the ISA

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International Application No  
PCT/JP2004/008407

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 983 219 A (CHONG CLYDE H H ET AL) 28 September 1976 (1976-09-28) column 2, line 3 - column 5, line 28 -----	1,2,5,6
A	DE 100 02 113 A (PHILIPSBORN HENNING VON) 10 August 2000 (2000-08-10) the whole document -----	1,6,12
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 01, 14 January 2003 (2003-01-14) & JP 2002 265206 A (IWAKI ELECTRONICS CORP), 18 September 2002 (2002-09-18) cited in the application abstract -----	2-4, 12-14
A	US 3 873 651 A (SMITH PAUL K ET AL) 25 March 1975 (1975-03-25) column 1, line 28 - line 41 column 2, line 25 - line 48 column 3, line 35 - line 56 -----	2
A	US 3 758 663 A (KIRBY H) 11 September 1973 (1973-09-11) -----	
A	GB 636 338 A (UNITED STATES RADIUM CORP) 26 April 1950 (1950-04-26) -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/JP2004/008407

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3983219	A	28-09-1976	US B402553 I5	17-02-1976
DE 10002113	A	10-08-2000	DE 10002113 A1	10-08-2000
JP 2002265206	A	18-09-2002	NONE	
US 3873651	A	25-03-1975	BE 799424 A1	31-08-1973
			CA 994999 A1	17-08-1976
			DE 2323865 A1	22-11-1973
			FR 2184691 A1	28-12-1973
			GB 1413712 A	12-11-1975
			IT 987289 B	20-02-1975
			JP 49047797 A	09-05-1974
			SE 385783 B	26-07-1976
US 3758663	A	11-09-1973	NONE	
GB 636338	A	26-04-1950	NONE	